NDE.T

Round tube expander end-caps

RoHS PA +100° -30°

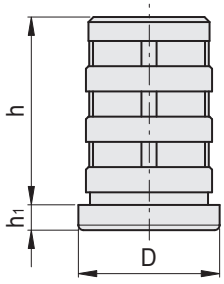
- **Material**
  Polyamide (PA) based technopolymer. Resistant to solvents, oils, greases and other chemical agents.
- **Colour**
  Black, matte finish.
- **Standard execution**
  Zinc-plated steel nuts DIN 934.

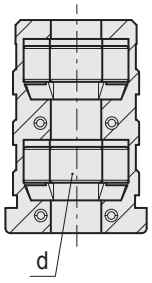
Features and applications

The two end-cap parts are connected together by means of three pins which are housed in special counter-seats. Two cavities inside the endcap are provided for housing two hexagonal nuts DIN 934. Thanks to the tapered shape of the cavity, the end-cap exerts a pressure on the inner walls of the tube, due to the tightening of the nuts, thus ensuring the tensile strength of the connection. The level of the tensile strength depends on the tube dimensional tolerances, the roughness of the tube inner surfaces and the tightening torque applied.
The end-cap enables the joining of round tubes with other elements or the installation of wheels or levelling elements with locking nut. The installation of a simple levelling element does not enable the expansion of the endcap: for this kind of applications the use of NDL.T end-caps is a more proper alternative.
The assembly can be performed simply by positioning the end-cap inside the tube, with no need of screws or other fasteners.

Special executions on request

End-cap without nuts or assembled with only one nuts DIN 934.





Standard Elements		Main dimensions				Tube dimensions			Max limit static load*	⚖
Code	Description	D	h	h_1	d	External	Thickness min-max	Internal min-max	[N]	g
430851	NDE.T-20x1.5-M8	20	37	5	M8	20	1.5	17	3000	14
430861	NDE.T-25x1-M10	25	37	5	M10	25	1	23	3000	30
430863	NDE.T-25x1.5-M8	25	37	5	M8	25	1.5	22	3000	19
430865	NDE.T-25x1.5-M10	25	37	5	M10	25	1.5	22	3000	29
430871	NDE.T-28x1.5-M8	28	37	5	M8	28	1.5	25	3000	26
430873	NDE.T-28x1.5-M10	28	42	5	M10	28	1.5	25	3000	33
430875	NDE.T-28x2-M10	28	37	5	M10	28	2	24	3000	31
430881	NDE.T-30x1.5-M10	30	36.5	5	M10	30	1.5	27	3000	36
430883	NDE.T-30x2-M8	30	36	5	M8	30	2	26	3000	26
430885	NDE.T-30x2-M10	30	36	5	M10	30	2	26	3000	34
430891	NDE.T-32x1.5-M8	32	37	5	M8	32	1.5	29	3000	31
430893	NDE.T-32x1.5-M10	32	37	5	M10	32	1.5	29	3000	39
430901	NDE.T-35x1.5-M10	35	36	5	M10	35	1.5	32	3000	43
430903	NDE.T-35x2-M10	35	37	5	M10	35	2	31	3000	42
430905	NDE.T-35x2.5-M10	35	37	5	M10	35	2.5	30	3000	41
430911	NDE.T-40x2-M8	40	36	5	M8	40	2	36	3000	41
430913	NDE.T-40x2-M10	40	37	5	M10	40	2	36	3000	50
430921	NDE.T-50x1.5-M10	50	37	5	M10	50	1.5	47	3000	71
430923	NDE.T-50x1.5-M12	50	37	5	M12	50	1.5	47	3000	71
430925	NDE.T-50x2-M10	50	37	5	M10	50	2	46	3000	64

* The max limit static load is the value above which the load applied to the element may cause some plastic material breakage, under particular conditions of use.
Obviously, a factor that takes into consideration the importance and the safety level of the specific application must be applied to this value. The values shown in the table refer to the use of the end-cap in combination with a steel tube. The use of an aluminum tube may cause a decrease in the max limit static load equal to 25% due to possible deformations of the tube section under load.

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